PETRISZCZEWA, Palina A.

Scientific studies on natural foci of human diseases in USSR. Wiadomosci parazyt., Warsz. 1:165-177 1955.

1. Czlonek-korespondent Akademii Nauk Medycznych ZSRR. (COMMUNICABLE DISEASES, epidemiology, in Russia, natural foci)

A STATE OF THE STA

NIKOLAYEVA-FEDOROVICH, N.B.; DAMASKIN, B. B.; PETRIY, O. A.

Effect of surface-active organic substances on the electrolytic reduction of anions. Coll Cz Chem 25 no.12:2982-2992 D 160. (REAI 10:9)

1. Institut fizicheskoy khimii, Akademiya nauk SSSR, Moskva, SSSR.

(Reduction) (Surface-active substances) (Anions)

NIKOLAYEVA-FEDOROVICH, N.V.; PETRIY, O.A.

Mechanism of the electroreduction of halide complexes of platimum at the dropping mercury electrode. Zhur.fiz.khim. 35 no.6:1270-1278 (MIRA 14:7) Je '61.

A STATE OF THE STA

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. (Reduction, Electrolytic) (Platimum compounds) (Electrodes, Dropping mercury)

DAMASKIN, B.B.; PETRIY, O.A.

Possible use of the oscillographic polarograph for determining zero charge potentials. Zhur.fiz.khim. 35 no.8:1862-1864
Ag '61. (MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. (Polarograph) (Electromotive force)

DAMASKIN, B.B.; FETRIY, O.A.; NIKOLAYEVA. FEDOROVICH, N.V.

Effect of dissolved oxygen on oscillographic polarograms.

Zhur.fiz.khim. 35 no.11:2643-2645 N '61. (NIRA 14:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova. (Oxygen)
(Polarography)

FRUMKIN, A.N., akademik; PETRIY, O.A.; NIKOLAYEVA-FEDOROVICH, N.V.

Adsorption of hydrogen ions on a negatively charged mercury electrolyte interface. Dokl. AN SSSR 137 no.41896-899 Ap '61.
(MIRA 14:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Hydrogen) (Alkali metals) (Electrodes, Dropping mercury)
(Electric double layer)

PETRIYCHIK, Dmitriy Ignat'vevich; SLASHCHEVA, Lidiya Alekseyevna;
USTYUGOV, P., red.; CHOTIYEV, S., tekhm. red.

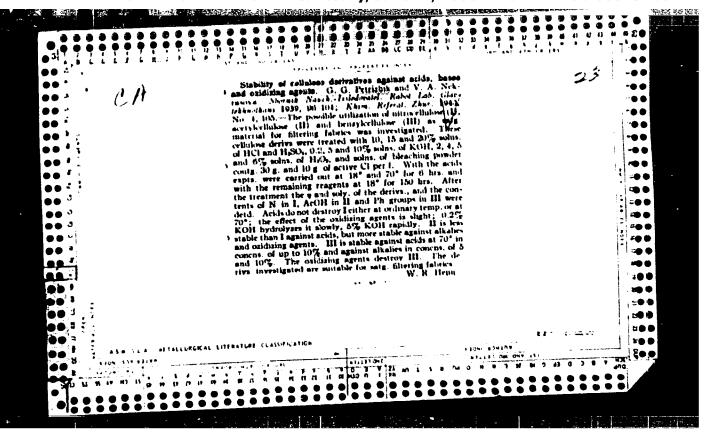
[Manganese and its importance in agriculture] Marganets i ego znachenie v sel'skom khoziaistve. Frunze, Kirgizskoe gos. izdvo, 1960. 45 p.

(MIRA 15:3)

(Manganese compounds) (Trace elements)

(Agriculture)

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240



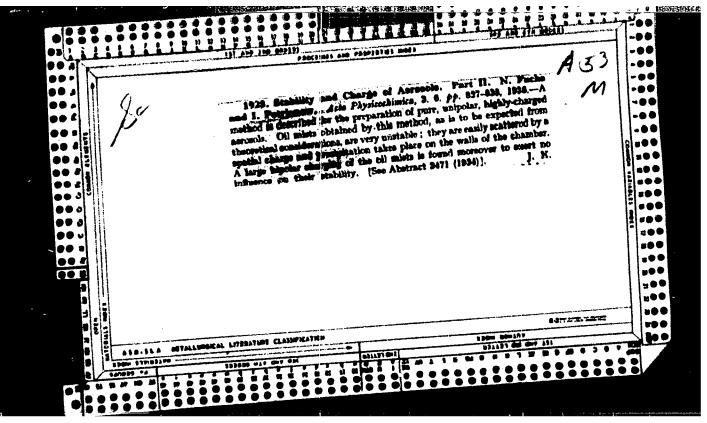
PRTRIZILKA, V.

SC IENCE

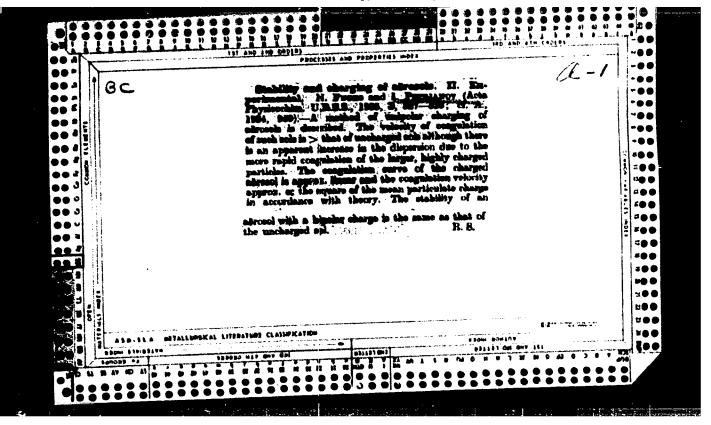
Periodicals: CESKOSLOVENSKY CASOPIS PRO FYSIKU. Vol. 8, no. 5, PETRZILKA, V. Sixieth birthday of Frantisek Behounek. p. 631.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 5, May 1959, Unclass.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00124(



"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00124(



PETRILL, M.; SVORCIE, C.

A new method of measuring the instantaneous dye concentration in the heart chembers, Cor vasa 7 no.4.287-293 165.

1. Institute of Experimental Therapy and the Department of Internal Medicine, Institute of Postgraduate Medicine, Prague, Czechoslovakia.

1/1

CHAIR CONTRACTOR OF THE PROPERTY OF THE PROPER

KOSMAK, Ivan; ENDRYS, Jiri; PETRLE, Miroslav; FRANK, Miroslav; BELOBRADEK, Zdenek; STEINHART, Leo; SIEZAK, Premysl

The intracardial phonocardiogram in aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:661-664. '64.

1. II. interni klinika (prednosta: prof. MUDr. V. Jurkovic, DrSc.) Kardiochirurgicke stredisko (prednosta: prof. MUDr. J. Prochazka, DrSc.); Vyzkunmy ustav exper. terapie, Praha-Krc (prednosta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.).

BELOBRADEK, Zdenek; ENDRYS, Jiri; KOSMAK, Ivan; PETRLE, Miroslav; STEINHART, Leo

Changes of indexes calculated from the left atrial pressure curve during amyl nitrite inhalation. Sborn. ved. prac. lek. fak. Karlov. Univ. 7 no.5:653-660 164.

1. II. intermi klinika (prednesta: prof. MUDr. V. Jurkovic, DrSc.); Kardiochirurgicko stredisko (prednesta: prof. MUDr. J. Prochazka, DrSc.); Vyzkumny ustav experimentalnej terapie, Praha-Krc (prednesta: MUDr. O. Smahel, DrSc.) a Radiologicka klinika (prednesta: prof. MUDr. J. Bastecky, DrSc.).

STEINHART, L.; ENDRYS, J.; SLEZAK, P.; PROCHAZKA, J.; DITE, B.; PETRLE, M.; BELOBRADEK, Z.; KOSMAK, I.; FRANK, M.

Transseptal levography in congenital and acquired diseases of the heart and of the large vessels. Cesk. radiol. 19 no.2 5: 253-259 Ag 165.

1. Radiologicka, chirurgicka, I. interni, II. interni a detska klinika lekarstve fakulty Karlovy University v Hradci Kralove, CSSR.

STEINHART, L.; ENDRYS, J.; DITE, B.; SLEZAK, P.; PROCHAZKA, J.; BELOBRADEK, Z.; PETRLE, M.

The angiocardiographic picture of the mitral orifice. Cor vasa 4 no.3:212-218 '62.

1. Centre for Cardiac Surgery, Faculty of Medicine, Charles University Hradec Kralove.

(MITRAL VALVE radiography) (ANGIOCARDIOGRAPHY)

Date of the control o

PETRLE, M.; PROCHAZKA, J.; ENDRYS, J.; BELOERADEK, Z.; KOSMAK, J.; STEINHARDT, L.; VIZDA, J.

Recurrent tight mitral stenosis. Cor. vasa 6 no.2:104-111'64

1. 1st and IInd Internal Clinics, Surgical Clinic and Radiological Clinic, Faculty of Medicine, Caroline University, Hradec Kralove, Czechoslovakia.

KOSMAK, I.; PETRLE, M.; ENDRYS, J.; BELOBRADEK, Z.; JURKOVIC, V.; STEINHART, L.; SLEZAK, P.

On the methodology of intracardiac phonocardiography. Cor Vasa 6 no.4:281-287 '64.

1. IInd Internal Clinic, Ist Internal Clinic, Surgical Clinic, Centre for Cardiac Surgery and Radiological Departments, Faculty of Medicine of the Caroline University, Hradec Kralove, Czechoslovakia.

SHTAYNGART, Leo [Stajnhart, Leo], dektor meditainy; DITE, Eogumil [Dite, Bohumil], doktor meditainy; PETRLE, Miroglav, doktor meditainy; PROKHAZKA, Yaroslav [Prochazka, Jaroslav], prof., doktor meditainy; BELOBRADEK, Zdenek, dektor meditainy; TOMANEK, Yariy [Tomanek, Jiri], doktor meditainy

Significance of angiceardiography in the diagnosis of congenital heart defects with left-to-right shunt, Khirargiia no.10:5c-63
[MIRA 18:8]

l. Kardiologicheskiy tsentr klinicheskoy bolinitsy v Gradtse Kralove i rentgenologicheskoye otdeleniye garnizonnoy bolinitsy, Yaromerzh.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00124(

TLUSTY, Lubomir; PETRLE, Miroslav; FIEDLEROVA, Dagmar; REZAC, Vladimir; VIZDA, Jaroslav; JURECKA, Jiri.

An attempt to determine some parameters of aging during routine clinical examination. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:339-355 '64.

1. I. Interni klinika (prednosta: prof. MUDr. F. Cernik) Karlovy University v Hradci Kralove.

PETRIE, Miroslav; KOSMAK, Ivan; ENDRYS, Jiri; BELOBRADEK, Zdenek; MATEJA, Frantisek.

Congenital isolated pulmonary insufficiency. Sborn.ved.prac. lek.fak.Karlov.Univ.(Hrad.Kral.) 6 no.3:319-323 '63.

l. I. interni klinika (prednosta: prof., MUDr. F.Cernik); II.interni klinika (prednosta: prof., MUDr. V.Jurkovic) a Chirurgicka klinika (prednosta: prof., MUDr.J.Prochamka), Universita Karlova.

EKIOBARDKA, Zdenek, [Belobradek, Z.], doktor med.nauk; PETRLE, Miroslav, doktor med.nauk; PROKHAZKA, Yaroslav [Prochazka, J.], prof. doktor meditsiny

Measurement of pressure in the left auricle by transbronchial puncture. Khirurgiia 37 no.1:29-33 Ja *61. (MIRA 14:2)

1. Iz 2-y kliniki vmutrennikh bolezney (rukovoditel' - dotsent d-r meditsiny Vilo Yurkovich), l-y kliniki vmutrennikh bolezney (rukovoditel' - prof. d-r meditsiny Yan Rzhegorzh) i 2-y khirurgicheskoy kliniki (rukovoditel' - prof. d-r meditsiny Yaroslav Prokhazka) Gradets Krelove (Chekhoslovakiya).

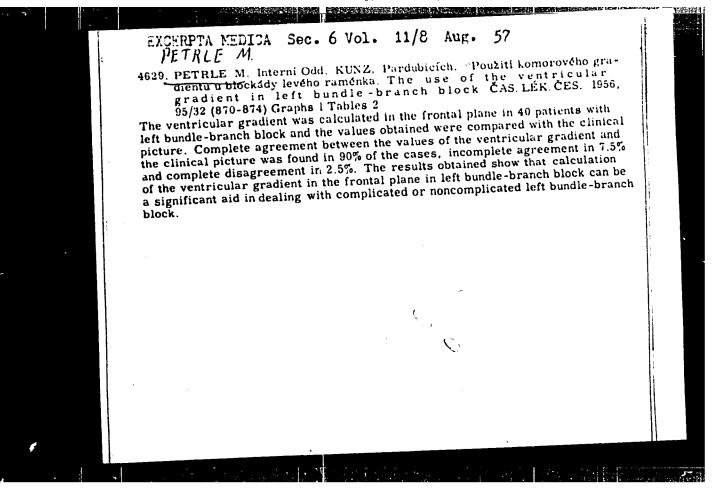
(HEART) (BLOOD PRESSURE)

PETRIE, M.; SKORPIL, J.; KORHON, N.

Block of both Tawara's node branches. Cas.lek.ceak. 99 no.10: 298-302 4 Mr '60.

1. I. interni klinika v Hradci Kralove, prednosta prof. MUDr. J. Rehor. Interni addeleni OUNZ Vysoke Myto, prednosta MUDr. J. Skorpil. Pat-anat. ustav v Hradci Kral, prednosta prof. MUDr. A. Fingerland.

(HEART BLOCK case reports)



CLASS SHEET BEING

PETRLE, Miroslav, MUDr.

Use of ventricular gradient in left bundle branch block. Cas. lek. cesk. 95 no.32:870-874 17 August 56.

1. Int. odd. KUNZ v Pardubicich, Predn. prof. Dr. J. Rehor.

(HEART BLOCK,
bundle branchblock, ECG diag., value of ventric.
gradient (Cs))
(ELECTROCARDIOGRAPHY,

ventric. gradient, use in diag. of bundle branch block (Cz))

CZECHOSLOVAKIA

UDC 615.452 Alupent-092.22:616.131-008

DAUM, S.; STIKSA, J.; NIKODYMOVA, L.; PETRLE, M.; SYORCIK, C.; Research Institute of Experimental Therapy (Vyzkumny Ustav Experimentalni Terapie), Prague - Krc, Director (Reditel) Prof Dr O. SMAHEL.

"The Influence of Metaproterenol on Pulmonary Circulation."

Prague, <u>Casopis Lekaru Ceskych</u>, Vol 105, No 42, 21 Oct 66, pp 1145 - 1149

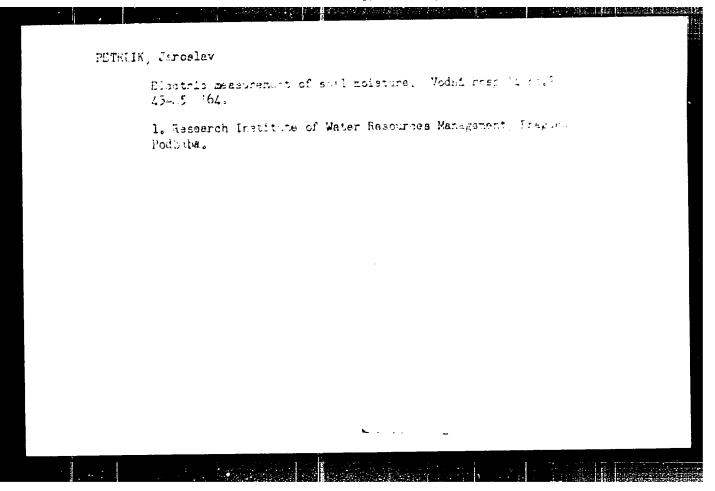
Abstract /Authors' English summary modified 7: Pulmonary circulation of 8 patients was investigated after administration of 0.5 mg of metaproterenol (Alupent Bohringer). 4 patients received air with 21% and 4 with 60% oxygen. In 6 minutes heart volume rose by 12-25%, in all blood volume in pulmonary capillaries increased. The "PC" PAm, ADm, and the general and extraarterial pulmonary resistance declined in all 8. Pao2 does not decline after inhalation of 60% 02 if Alupent was administered; it declines when 21% oxygen is administered. This indicates that the alveoli are ventilated less than would correspond to their perfusion. 4 Figures, 27 Western, 2 Czech references. (Manuscript received Jan 66).

BENES, L.; DRASIL, V.; PETRLIK, J.

Autoradiographic determination of low alpha activities in water. Cesk. hyg. 10 no.7:393-399 Ag 165.

1. Biofyzikalni ustav Ceskoslovenske akademie ved, Brno a Vyzkumny ustav vodohospodarsky, Praha.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240



PETFLIK, Jaroslav

Contribution to the problem of winter thermal regime of open canals. Vodni hosp 14 no.10:379-380,381 '64.

1. Research Institute of Water Resources, Prague.

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PETRLIK, V.

Repair of castings of light metal in the protective atmosphere of argon. p. 500.

STROJIRENSKA VYROBA. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia, Vol. 7, no. 11, Nov. 1959. Jan, 1960

Monthly List of East European Accessions (EEAI), LC, Vol. 9, no. 1, Jan, 1960

Uncl.

PEJML, Karel; PETRLIK, Z. The relation between the weather and the hop Peronospora. Rostlin vyroba 9 no.1:55-84 Ja '63. 1. Agrometeorologicak observator, Doksany and Ohri (for Pejml). 2. Vyzkumny ustav chmelarsky, Zatec (for Petrlik).

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240

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Country : CZECHOSLOVAKIA

Category: Plant Diseases. Diseases in Cultivated Plants.

Abs Jour: RZhBiol., No 18, 1,50, No 82691

Author : Petrlik, Z.

Inst : -

Title : Results of Field Experiments on Spraying (Fungicides)

against Perones ora Infection in Hops.

Orig Pub: Chmelarstvi, 1,5°, 31, No 2, 28-29

Abstract: No abstract.

C:rd:1/1

14

PETRLIK, Z., inzh.; SHTYS, Z.

New laboratory method for the cultivation of Peronospora of hops. Agrobiologiia no.5:772-773 S-0 '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy institut khmelevodstva Chekhoslovatskoy akademii sel'skokhozyaystvennykh nauk, g. Zhatets.

(Hops---Diseases and pests)

PETRLIK, Zdenek, inz.; STYS, Zdenek

Examination of new products and methods for controlling the hop Peronospora. Vest vyzk zemedel 9 no.12:544 '62.

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

1. Vyzkumny ustav chmelarsky, Zatec.

Z/034/61/000/005/003/010 E073/E535

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Card 1/2

Petrman, I.

Refining of steel with synthetic slags

AUTHOR:

PERIODICAL: Hutnické listy, 1961, No.5, p.362 The report describes a new progressive technology of The report manufacturing steel - refining with synthetic slags. contains the basic principles of this process, a description of the equipment and the results obtained in re-smelting ball bearing steel, which was chosen as the first steel type for resmelting. The re-smelted ball bearing steel was subjected to exhaustive tests. In addition to the influence of re-smelting on the chemical composition, its influence on the following was investigated: macrostructure, specific gravity of the metal, micropurity, content of non-metallic inclusions (determined by chemical methods), gas content and also the influence of re-smelting on improving the quality of the material tested under conditions of operation of antifriction bearings. The report also contains a short description of pilot plant equipment designed for manufacturing 200 kg ingots and an analysis of the economics

CIA-RDP86-00513R001240 APPROVED FOR RELEASE: Wednesday, June 21, 2000

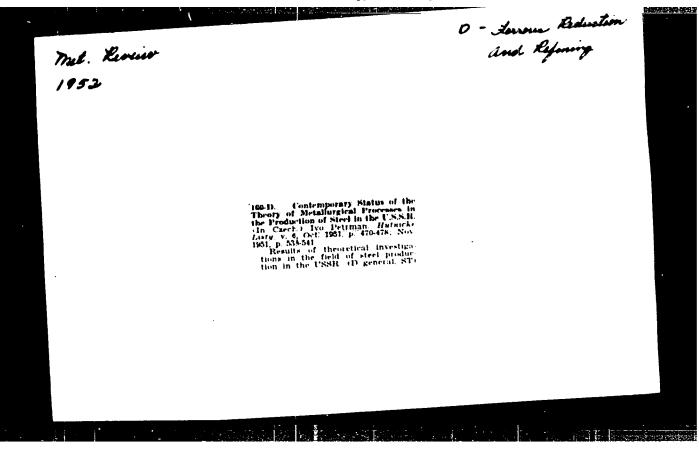
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Refining of steel with ... E073/E535

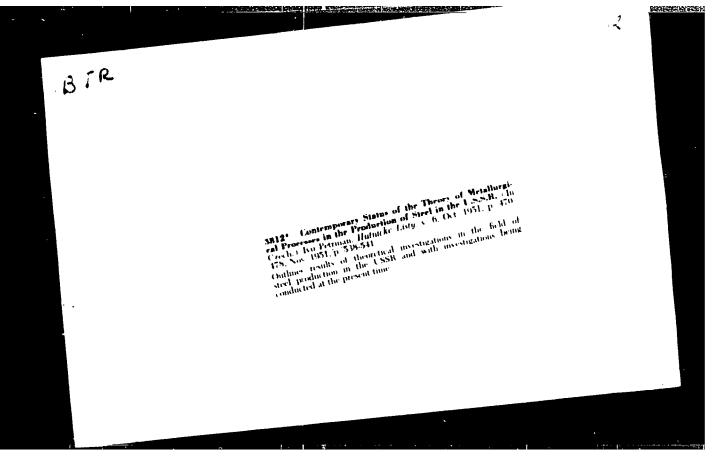
of the method. Report 1960, Prague: VUHŽ RV 20-1-84.

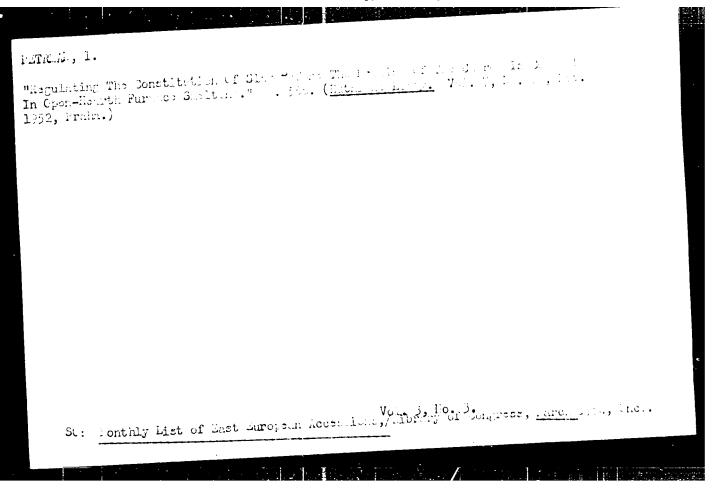
Abstractor's Note: This is a complete translation. In the title the term "ratification" is used but title the term "ratification" is used but this is obviously a printing error for "refining"]

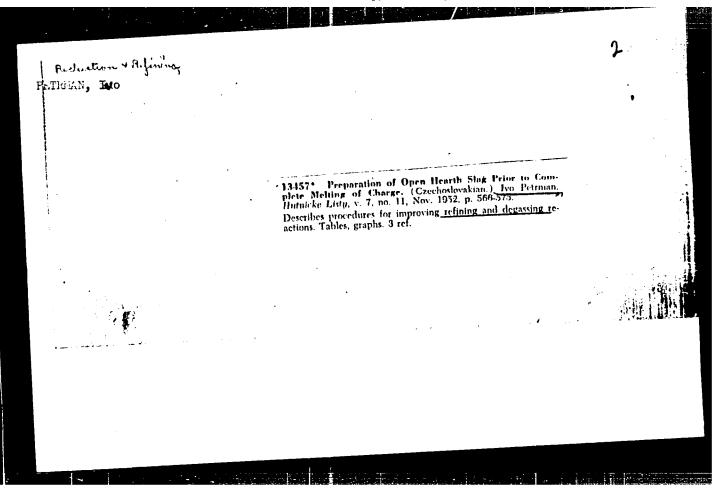
Card 2/2



"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240







PETRMAN, I.; TELICKY, E.

Production of ferroalloys in the USSR and in our country.

P. 1050. (HUTNICKE LISTY.) (Praha, Czechoslavakia) Vol. 12, No. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, May 1958

2/032/61/011/005/004/008 E073/E535

Petrman, I. AUTHOR:

Refining of Steel by Means of Synthetic Slags TITLE

A STATE OF THE PROPERTY OF THE

PERIODICAL: Strojírenství, 1961, Vol.11, No.5, p.396

The subject of the report is a description of a new, progressive, technology of steel-refining by using synthetic slags. The following are described: the basic principle of this process; equipment used and results obtained in re-smelting steel for antifriction bearings, which was chosen as the first grade for The re-smelted steel was subjected to extensive tests. In addition to the influence of re-smelting on the re-smelting. chemical composition, its influence on the following was determined: change in the specific weight; micropurity; content of nonmetallic admixtures (determined by chemical methods); gas content and influence of re-smelting on improving the quality of the material tested directly under conditions of operation of antifriction bearings. A brief description is included of pilotplant equipment intended for producing 200 kg ingots. The report is concluded with an economic analysis.

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85188 2/034/60/000/011/001/009 E073/E335

AUTHORS:

TITLE:

Petrman. Ivo, Engineer and Kašík, Ivan, Engineer

Improvement of the Quality of Antifriction Bearing Steel by Electroslag Resmolting

PERIODICAL: Hutnické listy, 1960, No. 11, pp. 859 - 851

TEXT: In the first part of the paper an explanation is given of the operation of the electroslag resmelting principle which has been developed largely by the Soviet Ye.O. Paton Electric Welding Research Institute (and has been in use since 1958 at the Soviet Dneprospetsstal; Works). On the basis of Soviet information on the method (Refs. 3-6) the Ferrous Metallurgy Research Institute has carried out investigations for the purpose of improving the properties, particularly the micropurity of bearing steels and in this paper the results of this research are described. The process of electroslag smelting is. to some extent, similar to the process of melting electrodes in vacuum arc furnaces. The starting material (steel or alloy) is made into electrodes by classical methods. These are electrothermically melted off, subjected to refining in the liquid state (by vacuum or slag) and made to solidify rapidly in a Cardl/5

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Improvement of the Quality of Antifriction Bearing Steel by Electroslag Resmelting

water-cooled metallic crystalliser. In the electroslag furnace the electrode is melted off by the heat released in the fusedslag layer. The layer of the molten slag above the metal acts as an electric resistance to the electric current and simultaneously as a refining and protection layer for the melting metal. The electric process does not involve arc formation and AC is used The refining of the metal proceeds during the for the purpose. passage of the metal drops through the overheated slag layer which is of a special composition. During the passage of the metal drop through the slag layer it becomes purified of gases. nonmetallic admixtures and some other harmful admixtures. particularly sulphur. As a result of this the composition is improved, whilst during solidification the structure is improved. The smelting is in the crystallite itself so that smelting and solidification proceed simultaneously. The solidifying part of the ingot is continuously covered with a layer of melting liquid metal which, jointly with the thick layer of the overheated slag, provides ideal and constant crystallisation Card 2/5

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Z/034/60/000/011/001/009 E075/E335

Improvement of the Quality of Antifriction Bearing Steel by Electroslag Resmelting

conditions. Crystallisation is fast each time for a small quantity of liquid metal and with a continuous direction of the solidification from the bottom upwards. As a result of this the ingots are free of typical defects of ingots produced by classical methods. The Czech experiments comprised 32 experimental heats carried out exclusively with the steel CSN 14104. The electrodes were rods of 50 mm diameter and the produced ingots were of 140, 120 and 90 mm diameter with heights of 250, 350 and 600 mm. The ingots were forged by standard methods to 80 and 55 mm diameter and to 50 mm square. The following slags were used: CaF₂-Al₂O₅ (A) CaF₂ (B) and

CaF₂-CaO (C). The resmelting was effected by means of a modified automatic SDK 5000 welding machine which was specially adapted for the purpose. The speed of the electrodes during the smelting could be controlled between 0 and 16 m/h. The crystalliser consisted of two concentric copper tubes with water cooling. The laboratory results were obtained with the

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85188 **Z/034/60/000/011/001/009 E073/E335**

Improvement of the Quality of Antifriction Bearing Steel by Electroslag Resmelting

participation of M. Mandl. A. Póssnerová. R. Freiwillig. R. Říman. B. Petr. M. Kaše. M. Pelikán. K. Tykal. V. Zák. Z. Kodedová. J. Prokopec. The results are described in great detail, giving information on the chemical composition. macrostructure, mechanical properties, gas content micropurity and microstructure. Furthermore, the technological influences on the electroslag process are described and also the economics of the process. It was found that the quality of the metal had improved greatly. The surface and the macrostructure of the ingots was without any defects; the steel was of a fine grain, uniform and dense. The quantity of sulphur decreased considerably and so did the quantity of sulphide admixtures and, in some cases, also of oxide admixtures. The remaining admixtures are more uniformly distributed and are of a more favourable shape. There was also a drop in the content of hydrogen and nitrogen of the steel. The achieved

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Improvement of the Quality of Antifriction Bearing Steel by Electroslag Resmelting

laboratory results indicate that electroslag smelting of steel does improve its quality considerably. Research in this field is continuing and the influence of various technological factos is being studied on a laboratory scale. A semi-industrial installation is to be built for the purpose of carrying out some industrial smelting tests. The properties of the produced steel are being tested by means of specially designed long-duration tests simulating the stress conditions pertaining in antifriction bearings. Acknowledgments are expressed to M. Záruba, J. Petrácek, O. Doubal and J. Janousek of VUS STS for their assistance in carrying out the tests.

There are 10 figures, 12 tables and 10 references: 8 Soviet and 2 Czech.

ASSOCIATION:

VÚHŽ, Prague

SUBMITTED:

September 15, 1960

Card 5/5

A STEEL STATES OF THE PROPERTY OF THE PARTY OF THE PARTY

Z/034/62/000/008/004/004 E073/E335

AUTHOR:

Petrman - Kasik

TITLE:

Improvement of the quality of bearing steel by electroslag resmelting (Concluding report)

PERIODICAL: Hutnické listy, no, 8, 1962, 592

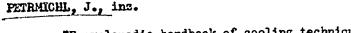
TEXT: A brief summary is given of the results of investigation carried out in 1960 of the electroslag process aimed at developing a technology for manufacturing steel of an improved quality for antifriction bearings. The report also gives a description of heats of two pilot plants, ESP-PP-2 (VUHZ) and SONP Kladno, which were used for verifying the research results. On the basis of the experience gained and the obtained results a technological specification was worked out for manufacturing steel for antifriction bearings by electroslag resmelting. Attention was also paid to the process of preparation of the slags which fulfil the necessary conditions for manufacturing steel by electroslag resmelting. The report contains a recommendation on the chemical composition of a suitable slag for electroslag resmelting of steel for antifriction bearings and a description Card 1/2

Improvement of

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of the method of producing the slag. A separate chapter is devoted to the problem of combining electroslag resmelting with arc-vacuum smelting for producing steels of extremely high quality. Results are also given of a series of experiments carried out for this purpose. Antifriction-bearing steel produced by electroslag resmelting was subjected to intensive tests of their properties, which included two types of fatigue tests. The results are given in the report. The report is concluded by an economic evaluation of the solution of this problem with proposals for its practical realization.

Card 2/2



"Encyclopedic handbook of cooling techniques. 1. Techniques of artificial cooling production." Reviewed by J.Fetrmichl. Strojirenstvi 12 no.7:556-557 Jl '62.

PETREICHL, J.; KOTEK, J.

"A new series of high-speed refrigeration compressors. (Supplement.)" p. 13

PRUMYSL POTRAVIN. Praha, Czechoslovakia, Vol. 9, No. 5, May, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959 Uncl.

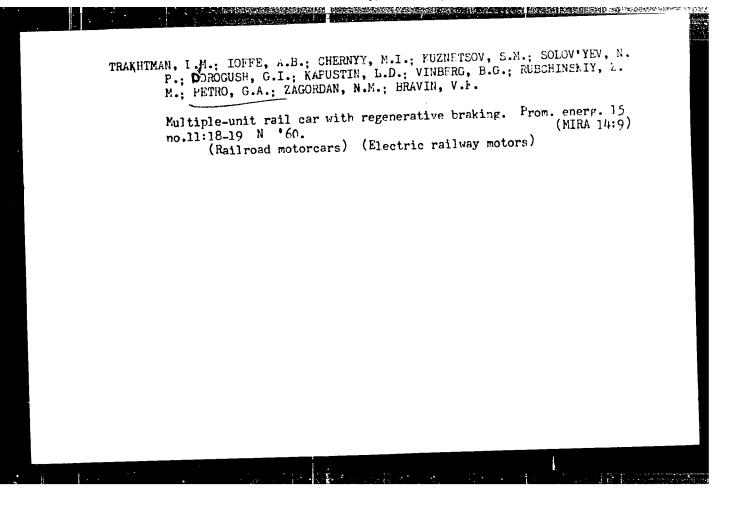
Mollusk fauna of the Godollo hills. Allattani kozl 51 no. 87-97 '6'.

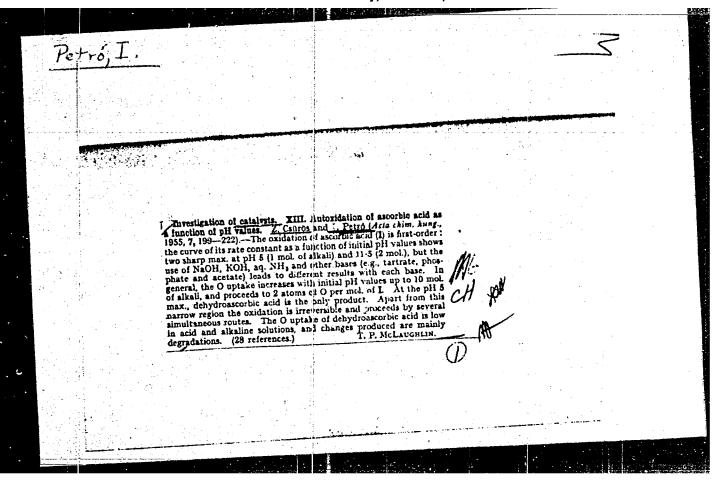
1. Chair of Toology, "niversity of Agriculture, Godollo.

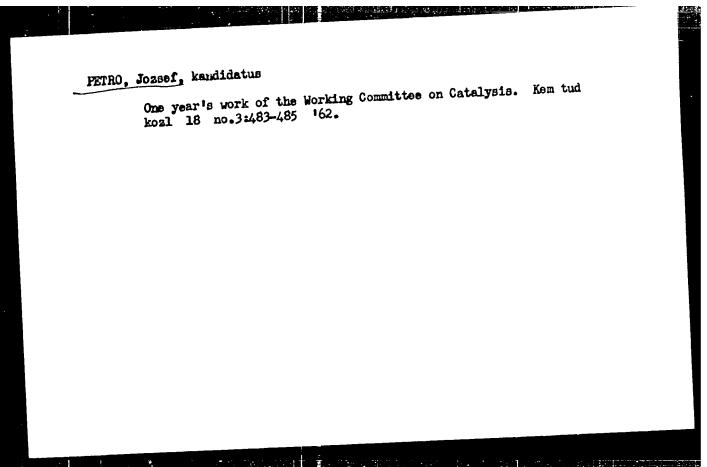
PETRO, Ede

Reliability investigation of the taxonomic properties of Unio tumidus solidus Zel. and Unio pictorum balatonicus Kust. Allattani kerl 50 no.1/4:113-120 '63.

1. Agrartudomanyi Egyetem Allattani Tanszeke, Godollo.







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Investigations on catalysts. XXXVII. Investigations on Raney mickel catalysts, XI. Interaction of Raney nickel and substrate in hydrogenation reactions. Acta chimica Hung 29 no.3:351-371 61.

1. Institute of Organic Chemical Technology, Technical University, Budapest.

(Catalysts) (Nickel) (Hydrogenation)

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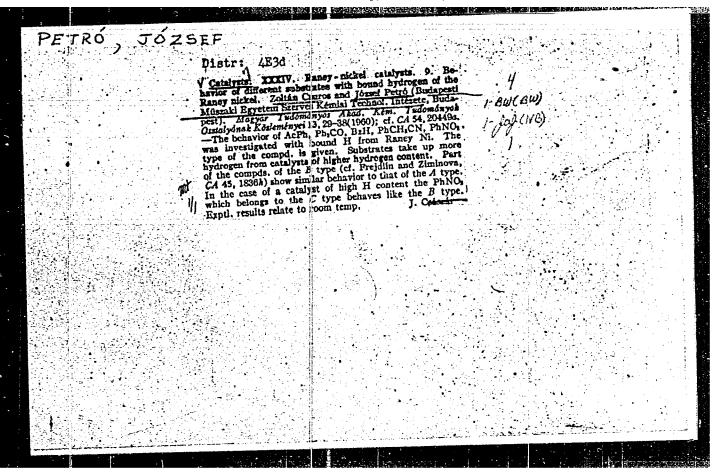
CSUROS, Zoltar: PTTRO, Jozsef; WALTEN, Vince; REDEY, Lasz: : AMLIK, Ference

Changes in the catalatic properties of Baney missel desending on the conditions of its preparation. Magy Mem. folyoir 20 nc.8:337-348 Ag 16/

1. Chair of Organic Chemical Perhology of the Budapest Technical University. 2. Littorial board member, "Magyar Kemiai folyotrat", Budapest (for Erdey).

PETRO, Jozsef, kandidatus

Report on the discussion of the dissertation prepared by Denes Kallo for obtaining the title of candidate of chemical sciences. Kem tud kozl MTA 20 no.2:287-292 163.



PETRO, Jozsef (Budapest)

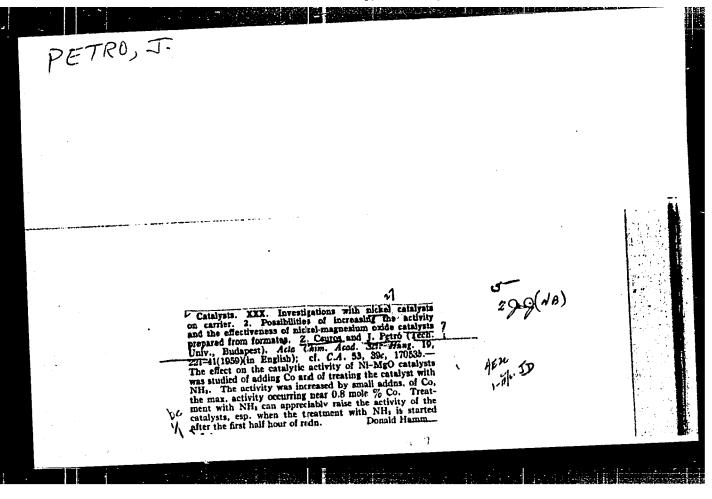
An account of my Moscow and Leningrad study trip. Kem tud kozl MTA (EEAI 10:6)

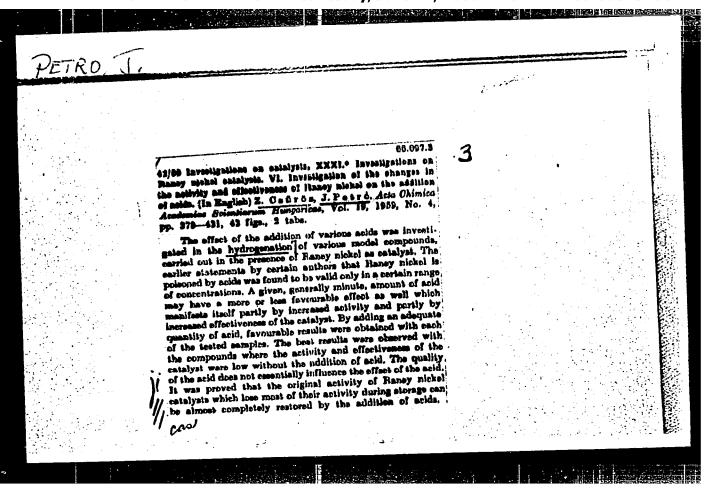
1. Muszaki Egyetem Szerves Kemiai Technologiai Tanszeke, Budapest.

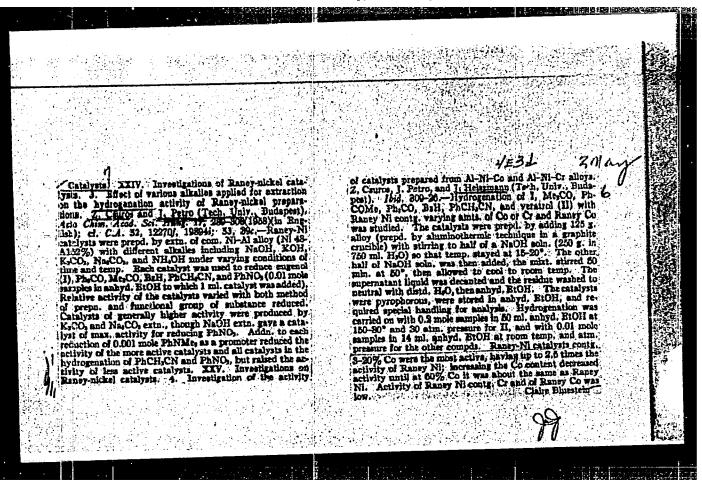
(Academy of Sciences of the U.S.S.R.)

(Hydrogenation) (Catalysis)

(Hungarians in Russia)







PETRO, J.; CSUROS, 4.

Investigations on catalysts XIXII. Investigations on Raney-nickel catalysts. VII. Investigation of the action of nickel, copper, and manganese salts on the hydrogenation activity and effectiveness of Raney nickel. In English. p. 129.

ACTA CHIMICA. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 20 No. 2, 1959

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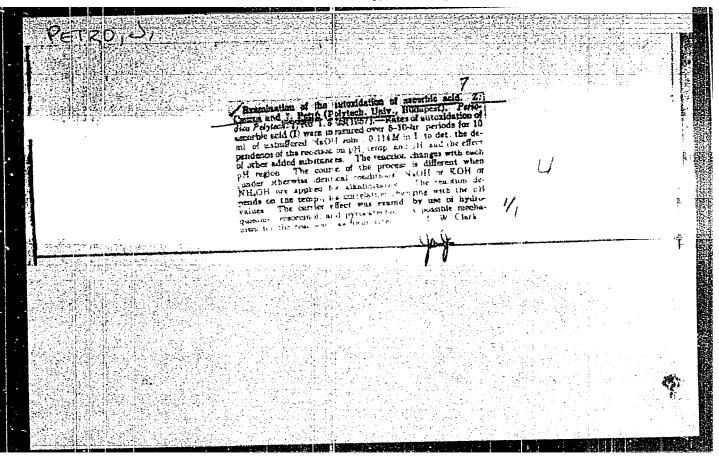
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HUNGARY / Organic Chemistry. Natural Substances and G-3

Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57600.

: Csuros Z., Petro J. : Not given. Author

: Investigations of Catalysis. XVII. Autooxidation Inst Title

of Ascorbic Acid as a Function of Temperature and

Initial pH.

Orig Pub: Magyar tud. akad. kem. tud. eszt. kosl., 1957,

No 1, 43-60.

Abstract: Effect of temperature on the addition of oxygen (AO) to ascorbic acid (I) was investigated. At a pH <3, A0 increases to a greater degree with increasing temperature than in neutral media (at pH of 4-8) or in alkaline media (pH>8). At a 0.4 pH (acidified with HCl) and at 60°, 5 times more

Card 1/5

72

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R0012

HUNGARY / Organic Chemistry. Natural Substances and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57600.

Abstract: 02 goes into the combination than it does at 300 and with pH varying from 4-8 and >8. With the increase in temperature from 30° to 60° the A0 increases only by 20-30%. In alkaline media the AO proceeds faster, with the equilibrium being established in 1-2 hours. In an acid medium the equilibrium is not reached in 3 hours. At a pH of 4-6 and at a temperature of 40° and higher, the increase in pH, as the result of reaction, is not noticed. At 500 and higher, in all the cases, pH tends to decrease toward the end. The highest AO was noticed at 900. Three A0 maxima occur at 0.5,

card 2/5

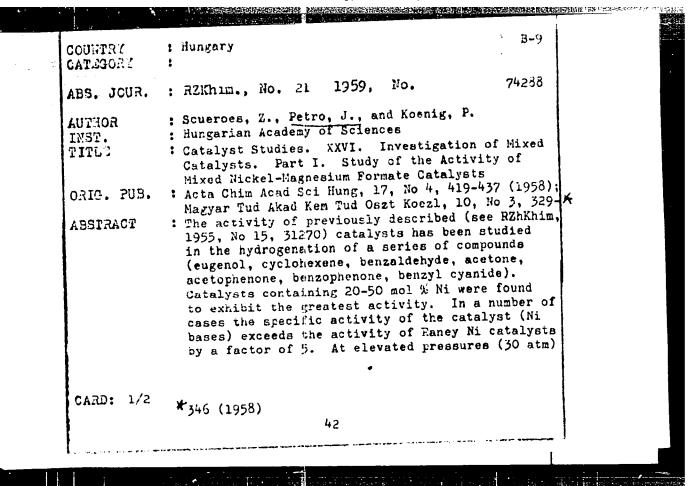
HUNGARY / Organic Chemistry. Natural Substances and G-3
Their Synthetic Analogues.

Aba Jour: Ref Zhur-Khimiya, 1958, No 17, 57600.

Abstract: an expected level (in the temperature range extending to 60°), provided that I is oxidized to dehydro-I. In alkaline media the AO is considerably greater than that predicted from the reducing ability. This difference is proportional to temperature and to the excess of alkali. In the study of the reaction reversibility at a constant temperature as affected by the terminal pH, it was found that the reversibility occurs in the 3-5 pH range. With increasing temperature the limits are narrowed to 4-5 pH. The decomposition reaction velocity constant of I as a function of pH at tem-

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240



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CSUROS, Zoltan, prof., dr. (Budapest XI., Muegyetem); DUSZA, Zsigmond (Budapest XI., Muegyetem); PETRO, Jozsef (Budapest XI., Muegyetem)

Investigations on catalysts.XXXIX. Investigations on Raney-nickel catalysts.XIV.Correlations between the hydrogen content, sorption power and activity of Raney-nickel catalyst. Acta chimica Hung 30 no.4:461-471 '62.

- 1. Institute of Organic Chemical Technology, Technical University.
- 2. Editor, "Acta Chimica" (for Csuros).

CSUROS, Zoltan, r.tag (Budapest); PETRO, Jozsef (Budapest); HEISZMANN, Jozsef (Budapest)

Examinations by means of catalysts. XXXIII. Investigations by means of Raney nickel catalysts. 8. Investigation of the effect of cobalt salts on the activity and effectiveness of Raney nickel. Kem tud kozl MTA 13 no.1:17-27 '60. (EEAI 10:2)

- 1. Budapesti Muszaki Egyetem, Szerves Kemiai Technologiai Intezet.
- 2. Magyar Tudomanyos Akademia (for Csuros) (Catalysts) (Nickel) (Cobalt)

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CSUROS, Zoltan, prof., dr.; PETRO, Jozsef

Investigations on catalysts. XXXVI. Investigations on Raney nickel catalysts. X. Studies on the behavior of Raney nickel catalyst in hydrogenation processes, as a function of its hydrogen content. Acta chimica Hung 29 no.3:321-349 161.

1. Institute of Organic Chemical Technology, Technical University, Budapest.

(Catalysts) (Nickel) (Hydrogenation)

CSUROS, Zoltan, prof., dr.; PETRO, Jozsef; HOLLY, Sandor

Investigations on catalysts. XXXVIII. Investigations of Raney nickel catalysts. XII. Effect of additives on hydrogen sorbed by Raney nickel. Acta chimica Hung 29 no.4:419-445 '61.

1. Institute of Organic Chemical Technology, Technical University, Budapest. 2. Editor, "Acta Chimica Academiae Scientiarum Hungaricae" (for Csuros).

CSUROS, Zoltan, r.tag (Budapest); PETRO, Jozsef (Budapest)

Examinations by means of catalysts. XXXIV. Investigations by means of Raney nickel catalysts. 9 Behavior of various substrata in connection with the fixed hydrogen of Raney nickel. Kem tud kozl MTA 13 no.1: 29-38 *60. (EEAI 10:2)

- 1. Budapesti Muszaki Egyetem, Szerves Kemiai Technologiai Intezet.
- 2. Magyar Tudomanyos Akademia (for Csuros)
 (Catalysts) (Nickel) (Hydrogen)

CSUROS, Zoltan, dr., prof.; PETRO, Jozsef.; HEISZMANN, Jozsef

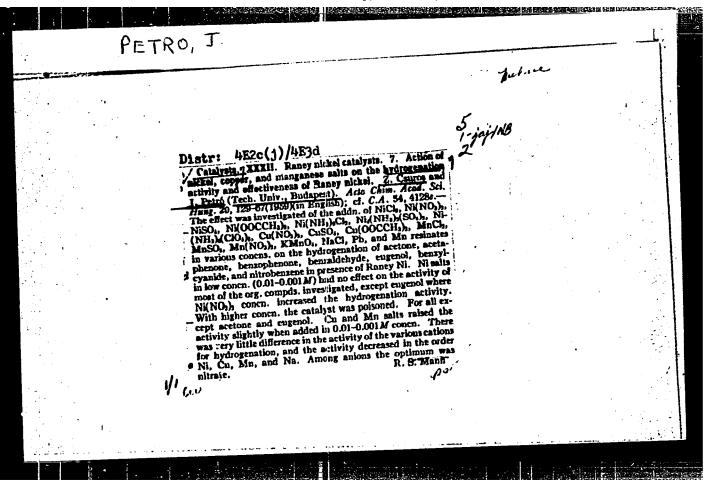
Investigations on catalysts, XXXIII. Investigations on Raney nickel catalysts. VIII. Investigation of the effect of cobalt salts on the activity and effectiveness of Raney nickels. Acta chimica Hung 22 no.1: 73-85 60.

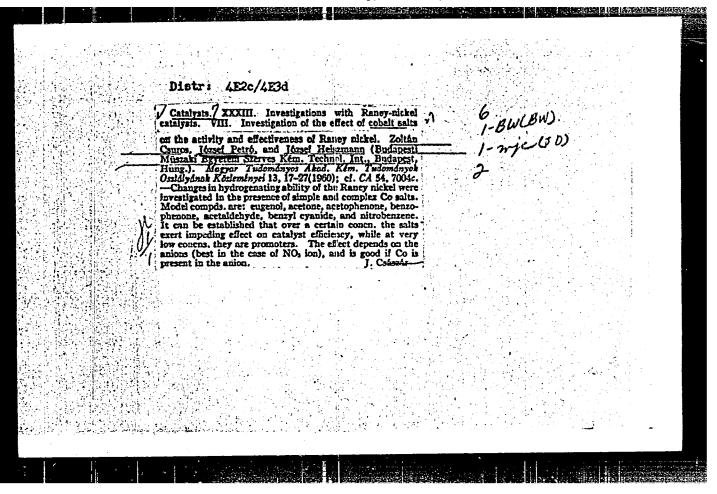
1. Institute of Organic Chemical Technology, Technical University, Budapest. (Cobalt) (Nickel) (Catalysts)

CSUROS, Zoltan, dr. prof.: PETRO, Jozsef

Investigations on catalysts. XXXIV. Investigations on Ransy nickel catalysts. IX. Investigation of the behavior of various substrates with the bound hydrogen of Ransy nickel. Acta chimica Hung 22 no.1: 87-98 '60. (EEAI 9:9)

1. Institute of Organic Chemical Technology, Technical University, Budapest.
(Catalysts) (Nickel) (Hydrogen)





PETRO, J.; CSURCS, Z.

Investigations of catalysts. XXX. Investigations with nickel catalysts on carrier. II. Possibilities of increasing the activity and the effectiveness of nickel-magnesium oxide catalysts prepared from formates. p.221

ACTA CHIMICA. Budapest, Hungary, Vol. 19, no. 2/3, 1959

Monthly List of East European Accessions (ETAI), IC. Vol. 8, No. 9, September 1959 Uncl

Investigations on catalysts. XXVI. Investigations on mixed catalysts. 1. Investigation of the activity of nickel-magnesium formate mixed catalysts. Zoltan Csuros, Josef Petro, and Peter Konig (Tech. Univ., Budapest).

Josef Petro, and Peter Konig (Tech. Univ., Budapest).

Acta Ctim. Acad. Sci. Hung. 17, 419-37(1953Kin English); cf. C.A. 53, 15734s.—The activity of hydrogenation catalysts prepd. from mixts. of Ni(11) and Mg(11) formates was examd, with several test compds. In the hydrogenation/of rugenol, cyclohexene, benzaldehyde, acetone, acetophenone, benzophenone, and benzyl cyanide, catalysts of max. activity were found to have 20 and 50 mole-% Ni. The specific activity of these catalysts in some cases was five times that of Raney Ni (I). In the hydrogenation of the aromatic ring of veratrole at 30 atm. and 170° these catalysts are less effective than I. PhNMe, promotes the activity of catalysts with Ni contents up to 30 mole-%. XXVII. Reaction of benzaldehyde with compounds containing active hydrogen in the presence of boron trifluoride. Zoltan Csuros and Gyala Deák (Tech. Univ., Budapest). Ibid. 439-47.—Treatment of substituted benzaldehydes and acetophenones in HOAc with HOAc-BF, gives a chal-

cone (I). In a typical procedure 0.005 mole of the benzaldehyde and 0.005 mole of the acetophenone in 5 ml. of HOAc is treated with 0.015 mole of BP₁-HOAc and the mixt. allowed to stand 5 days at room temp. When the mass turned red, it was poured into a mixt. of 10 ml. H₂O and 5 ml. satd. aq. NaOAc and then neutralized with a 20% soln. of NaOH in H₂O. The ppt. was filtered off, washed to neutrality and dried. The following substituted chalcones were prepd. in this way (substituent and m.p. of the crude products given): 2-fluoro, 53°; 4-fluoro, 87°; 4.4′-difluoro, 116°; 2-fluoro-4′-nitro, 160.5°; 4-fluoro-1-nitro, 210°; 2.4′-difluoro, 10.5°; 2-nitro-4′-fluoro, 102.5°, 4-fluoro-4′-methoxy, 102.6°, 4

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00124(

HUNGARY / Organic Chemistry. Natural Compounds and G-3

Their Synthetic Analogues.

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Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8426.

Author : Csures, Z., Petro, J.

Inst : Hungarian Academy of Sciences.

Title : Investigations on Catalysis. WI. Autoxidation

of Ascorbic Acid as a Function of PH Values in

the Presence of Various Alkalies.

Orig Pub: Acta chim. Acad. scient. hung., 1958, 14, 1-2,

95-100.

Abstract: See RZhKhim, 1958, 18120.

Card 1/1

102

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PETRO J.

SCIENCE

Periodicals ACTA CHIMICA Vol. 17, no. 3, 1958

PETRO, J. Investigations of catalysts. XXV. Investigations on Raney-nickel catalysts. IV. Investigation of the activity of catalysts pre-pared from Al-Ni-Co and Al-Ni-Cr alloys. In English . v. 309.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 5, May 1959, Unclass.

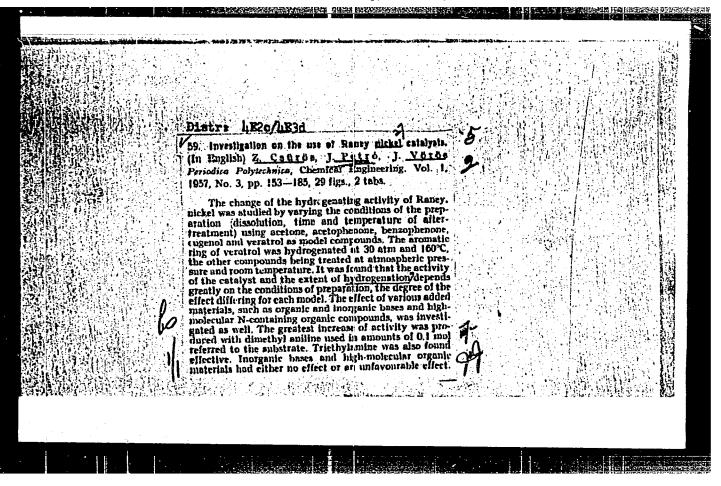
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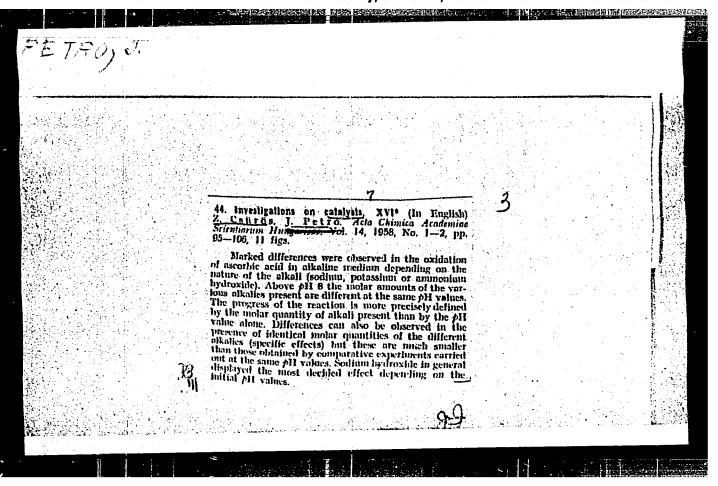
Periodicals ACTA CHIMICA. Vol. 17, no. 3, 1958

PETRO, J. Investigations of catalysts. XXIV. Investigations on Raneynickel catalysts. III. Effect of various alkalies applied for extraction on the hydrogenation activity of Raney-nickel preparations. In English. (To be contd.) p. 289.

Monthly List of East European Accessions (EHAI), LC. Vol, 8, Mo. 5, May 1959, Unclass.



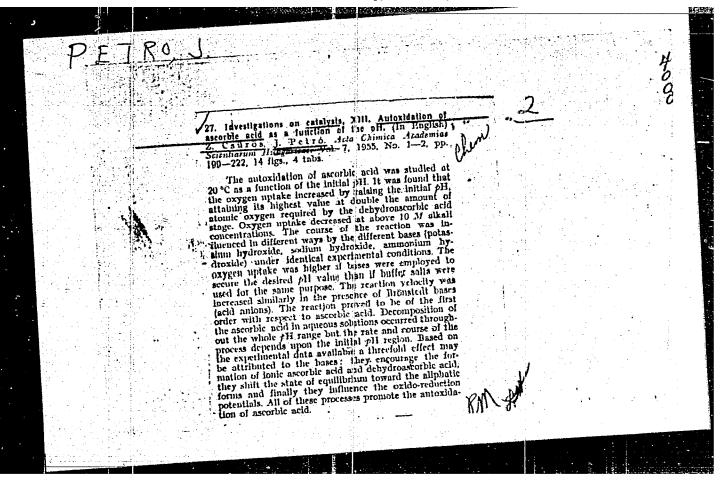
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PETRO, J, CSUROS, Z.

Investigation of catalysts. XIII. Autoxidation of ascordbic acid as a function Ph values. In English p. 199 Vol. 7, no. 1/2 1955

SOURCE: Monthly list of East European Accessions, (EEAL), LC, Vol. 5 no. 3, March 1956



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ACCESSION NR: AT5022529

HU/2502/64/042/002/0131/0144

AUTHOR: Couros, Zoltan (Chyuryesh, Z.) (Professor, Doctor) (Budapest); Dusza, Zsigmond (Dusa, Mh.) (Budapest); Petro, Jozsaf (Petro, Y.) (Doctor) (Budapest); Erdey, Laszlo (Erdei, L.) (Professor, Doctor) (Budapest); Paulik, Ferenc (Budapest)

TITLE: Investigations on catalysts. Part 40: Investigations on Raney-nickel catalysts.) Section 15: Effects of the alkali used as extractant and of the hydrogen content on the activity

SOURCE: Academiae scientiarum hungaricae, Acta chimica, v. 42, no. 2, 1964, 131-144

TOPIC Tics; nickel, catalysis, hydrogen, basic catalysis

ABSTRACT: A derivatographic method was developed for the study of pyrophoric catalysts such as those from Raney-nickel. The method was applied to catalysts prepared by using various solvents such as sodium hydroxide, potassium hydroxide, and sodium marbonate solutions. Catalysts prepared by using KOH or NaOH contained relatively high quantities of hydrogen and the hydrogen content was in proportion to their nickel content. However, no relation was evident between the catalyst's composition and its effectiveness. Orig. art. has 1 graph and 4 tables.

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240

PETRO, Jozsef, a kemiai tudomanyok kandidatusa

Report on the Rostock catalysis symposium. Kem tud kozl MTA 20 no.1:101 '63.

1. Budapesti Muszaki Egyertem Szerves Kemiai Technologiai Tanszeke.

"Polyester plastics strengthened with synthetic fibers."

LEKA PROJSHENCST., Sofiia, Bulgaria., Vol. 8, No. 2, 1959

Monthly list of EAST EURCHEAN ACCESSIONS (SEA1), 10, Vol. 8, No. 7, July 1959, Unclass

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001240

VIZHUKHOV, G., PETRO, P.

Rotation of Crops

Crop rotation on the "Pervoe Maia" Collective Farm. Kolkh. proizv. 12 No. 9, 1952.

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9. Monthly List of Russian Accessions, Library of Congress, December 1952 Unclassified.

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KOSMAK, I.; PETRLE, M.

Supplementary appliance for clinical registration equipment for graphic representation of dilution curves. Cesk. fysiol. 8 no.6:

1. Ustav lekarske fysiky Lek. fak. KU a I. interni klinika Lek. fak. KU, Hradec Kralove. (HKMATOLKOY, equip. & supply)

HELCERADEK, Zdenek; PETRIE, Miroslav; PROCHAZKA, Jaroslav

Transbronchial puncture of the left auricle. Gas. lek. cesk. 99
no.16:481-485 15 Ap '60.

1. Kardiochirurgicke stredisko v Hradci Kralove.

(HEART surg.)

NESTERENKO, A.D., otv.red.; LEVIN, M.I., doktor tekhn.nauk, red.; ORNATSKIY, P.P., kand.tekhn.nauk, red.; PETROCHENKO, V.F., kand.tekhn.nauk, red.; GORODOVSKIY, A.F., inzh., red.; ZASLAVSKIY, S.Sh., inzh., red.; SKLIBER, B.A., inzh., red.; KAZANTSEV, B.A., red.izd-ve; YEFIMOVA, M.I., tekhn.red.

[Problems in the manufacture of general electrical instruments] Voprosy obshchego elektropriborostroeniis. Kiev. 1960. 262 p. (MIRA 13:6)

- 1. Akademiya nauk USSR, Kiyev. Institut elektrotekhniki.
- 2. Chlen-korrespondent AN USSR (for Nesterenko). (Electric instruments)